ATLONA
Connecting technology to your world

User Manual

1x2, 1x4, 1x8 VGA Distribution Amplifier

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USA ★★★★★ SINCE 2003

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TABLE OF CONTENTS

1. Introduction 2
2. Features 2
3. Panel Description 2
    3.1 Front Panel 2
    3.2 Back Panel 2
4. Specifications 3
5. Diagram 4
6. Safety Information 5
7. Warranty 6
8. Atlona Product Registration 7

INTRODUCTION

Congratulations on purchasing your Atlona AT-VGA12A, AT-VGA14A , AT-VGA18A. The Atlona AT-VGA12A, AT-VGA14A and AT-VGA18A are the 1x2, 1x4 and 1x8 VGA~QXGA (640x480~2048x1536) Distribution Amplifiers with Audio Support. All 3 models are featured 730 MHz video bandwidth which allows for a distribution 2K and above resolutions with perfect video quality. The Atlona Distribution Amplifiers are designed for a high profile commercial use where the reliability is most important. The amplifiers have the ability to be powered though 5V power supply and in case if power supply fails, the distribution amplifier will be able to pick up power though VGA Cable connected to the input of the Distribution Amplifier. Atlona has also implemented USB power in case of the first two fail.
Atlona recommends this products for Airports, Museums, Conference rooms, Laboratories or any other applications of high importance.

Note: *Power Supply or USB Power maybe required to view all 4 displays when sending resolutions above 2048x1080p.*

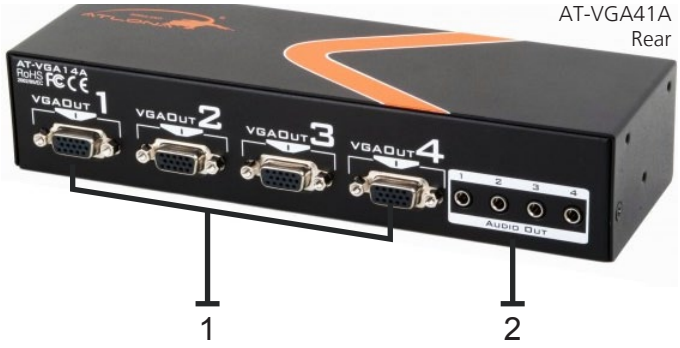
FEATURES

- *3 x Power options: Self Powered via Computer VGA output, USB and 5V Power supply.*
- *Plug and Play - no driver or software installation needed.*
- *Connects up to 4 displays with stereo audio at resolutions up to 2056x1536*
- *Supports VGA 2K resolutions up to 2048 x 1536 @ 60/70/75Hz*
- *Video amplifier bandwidth: 730 MHz*

PANEL DESCRIPTION

AT-VGA41A
Front

1. *Power Supply (optional, not required if resolution on all outputs is below 2048x1080p)*
2. *Power Indicator*
3. *Spare USB Port (AUX Power)*
4. *Audio Input*
5. *HD15 Input*



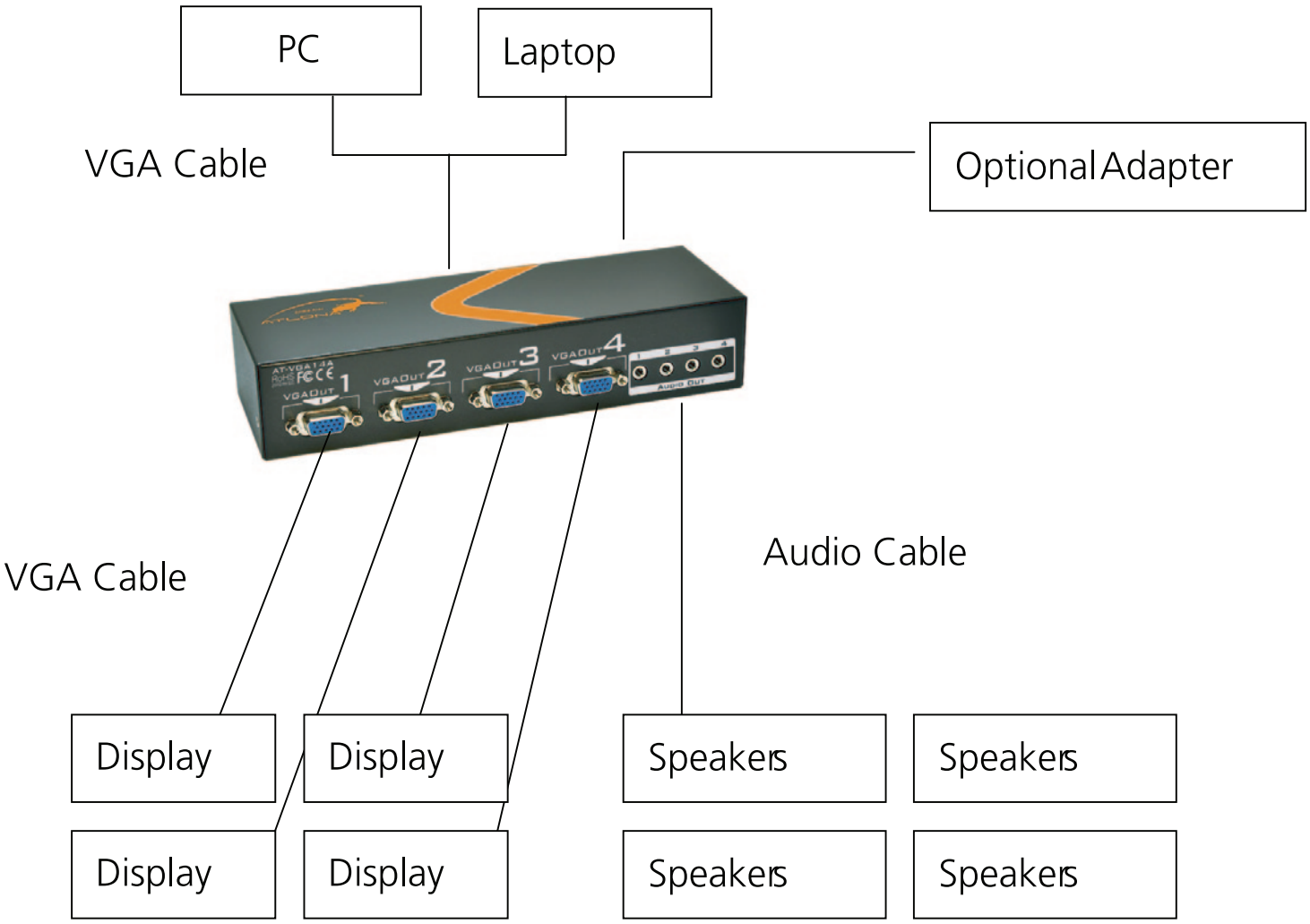
AT-VGA41A
Rear

1. *HD15 Outputs*
2. *Audio Outputs*

SPECIFICATION

SKU #		AT-VGA12A/AT-VGA14A/AT-VGA18A
SKU Name		1x2, 1x4 and 1x8 VGA Distribution Amplifie r
Input	**Video**	1 x HD15 female
	Audio	1 x 3.5mm (1/8”) Stereo Audio female
	USB power	1 x USB (AUX Power)
Outputs		4 x HD15 female 4 x 3.5mm (1/8”) Stereo Audio female
Supported Resolutions		From VGA~QXGA (640x480 to 2048x1536) and 2K (2048x1080p)
Video Bandwidth		730 MHz
Support Audio		Stereo Audio
Weight (LB)		2.1LB
Power Supply		DC 5V / 2A (optional)
Material		Iron
Dimensions (mm/inch)		210 x 68 x 43 / 8.26 x 2.67 x 1.69
Operating Temperature		0° C ~48° C

DIAGRAM


PC
Laptop
VGA Cable
Optional Adapter
VGA Cable
Audio Cable
Display
Display
Speakers
Speakers
Display
Display
Speakers
Speakers

SAFETY INFORMATION

Safeguards

To reduce the risk of electric shock, do not expose this product to rain or moisture

Do not modify the wall plug. Doing so will void the warranty and safety features.

If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.

This equipment should be installed near the socket outlet and the device should be easily accessible in the case it requires disconnection.

Precautions

FCC regulations state that any unauthorized changes or modifications to this equipment, not expressly approved by the manufacturer, could void the user's authority to operate this equipment.

Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product, or cause fires.

In the event of an electrostatic discharge this device may automatically turn off. If this occurs, unplug the device and plug it back in.

Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins or cord exit points from this product.

Avoid excessive humidity, sudden temperature changes or temperature extremes.

Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements, fish tanks, and swimming pools.

Use only accessories recommended by Atlona to avoid fire, shock, or other hazards.

Unplug the product before cleaning. Use a damp cloth for cleaning and not cleaning fluid or aerosols.
Such products could enter the unit and cause damage, fire, or electric shock. Some substances may also mar the finish of the product.

Never open, remove unit panels, or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-VGA12A, AT-VGA14A, AT-VGA18A. Opening the product will void the warranty.

Do not attempt to service the unit. Disconnect the product and contact your authorized Atlona reseller or contact Atlona directly.

WARRANTY

Limited Warranty

Atlona Technologies warrants that (a) its products (the AT-VGA12A, AT-VGA14A, AT-VGA18A) will perform substantially in accordance with the accompanying written materials for a period of 3 years from the date of receipt and (b) that the product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to customers that fall within those areas.

Customer Remedies

Atlona Technologies' and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' decision, either return of the price paid for the product, repair, or replacement of the product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of the Customer's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, misapplication, or natural occurrence. In example but not limited to: power surges (electrical storms, local power outage), dropping the product (or items on the product), contact with fluids, and physical misconduct (i.e. kicking or punching). Any replacement product will be warranted for the remainder of the original warranty period.

No other warranties

To the maximum extent permitted by applicable law, Atlona Technologies and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives customer specific legal rights. Customers may have other rights depending on the jurisdiction.

No liability for damages

To the maximum extent permitted by applicable law, in no event shall Atlona Technologies or its suppliers be liable for any damages arising out of the use of or inability to use this product, even if Atlona Technologies has been advised of the possibility of such damages. Such damages include but are not limited to: special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss. Atlona Technologies' and its suppliers' entire liability under any provision of this agreement shall be limited to the amount actually paid by you for the product. Some Jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damage. The above limitations may not apply to you in such jurisdictional cases.

ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product. - We hope you enjoy it and will take an extra few moments to register your new purchase.

Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy, assuring you that your registration information is completely secure. Atlona product registration is completely voluntary and failure to register will not diminish your limited warranty rights.

To register go to: http://www.atlona.com/registration